

<222> (66) . . ()

[illegible]

Gly	Val	Pro	Cys	Pro	Glu	Trp	Ser	Thr	Ala	Trp	Gly	Pro	Cys	Ser	Thr	
			175					180					185			
acc	tgt	ggg	ctg	ggc	atg	gcc	acc	cgg	gtg	tcc	aac	cag	aac	cgc	ttc	674
Thr	Cys	Gly	Leu	Gly	Met	Ala	Thr	Arg	Val	Ser	Asn	Gln	Asn	Arg	Phe	
		190					195				200					
tgc	cga	ctg	gag	acc	cag	cgc	cgc	ctg	tgc	ctg	tcc	agg	ccc	tgc	cca	722
Cys	Arg	Leu	Glu	Thr	Gln	Arg	Arg	Leu	Cys	Leu	Ser	Arg	Pro	Cys	Pro	
		205				210					215					
ccc	tcc	agg	ggt	cgc	agt	cca	caa	aac	agt	gcc	ttc	tagagccggg				768
Pro	Ser	Arg	Gly	Arg	Ser	Pro	Gln	Asn	Ser	Ala	Phe					
220					225					230						
ctgggaatgg	ggacacggtg	tccaccatcc	ccagctggtg	gccctgtgcc	tgggccctgg											828
gctgatggaa	gatggtccgt	gccagggccc	ttggctgcag	gcaacacttt	agcttgggtc											888
caccatgcag	aacaccaata	ttaacacgct	gcctggtctg	tctggatccc	gaggtatggc											948
agaggtgcaa	gacctagtcc	cctttcctct	aactcactgc	ctaggaggct	ggccaagggtg											1008
tccaggtgcc	tctagcccac	tccctgccta	cacacacagc	ctatatcaaa	catgcacacg											1068
ggcgagcttt	ctctccgact	tcccctgggc	aagagatggg	acaagcagtc	ccttaatat											1128
gaggctgcag	caggtgctgg	gctggactgg	ccatttttct	gggggtagga	tgaagagaag											1188
gcacacagag	attctggatc	tctgtgtgcc	ttttctggag	tttgtaaaat	tgttcctgaa											1248
tacaagccta	tgctgtgaaa	aaaaaaaaaa	aaaaaaaa													1285

<210> 2
 <211> 250
 <212> PRT
 <213> Homo sapiens

<400> 2

Met	Arg	Gly	Thr	Pro	Lys	Thr	His	Leu	Leu	Ala	Phe	Ser	Leu	Leu	Cys	
				-15				-10						-5		
Leu	Leu	Ser	Lys	Val	Arg	Thr	Gln	Leu	Cys	Pro	Thr	Pro	Cys	Thr	Cys	
		-1	1				5					10				
Pro	Trp	Pro	Pro	Pro	Arg	Cys	Pro	Leu	Gly	Val	Pro	Leu	Val	Leu	Asp	
	15					20					25					
Gly	Cys	Gly	Cys	Cys	Arg	Val	Cys	Ala	Arg	Arg	Leu	Gly	Glu	Pro	Cys	
30					35				40						45	

Asp Gln Leu His Val Cys Asp Ala Ser Gln Gly Leu Val Cys Gln Pro
50 55 60

Gly Ala Gly Pro Gly Gly Arg Gly Ala Leu Cys Leu Leu Ala Glu Asp
65 70 75

Asp Ser Ser Cys Glu Val Asn Gly Arg Leu Tyr Arg Glu Gly Glu Thr
80 85 90

Phe Gln Pro His Cys Ser Ile Arg Cys Arg Cys Glu Asp Gly Gly Phe
95 100 105

Thr Cys Val Pro Leu Cys Ser Glu Asp Val Arg Leu Pro Ser Trp Asp
110 115 120 125

Cys Pro His Pro Arg Arg Val Glu Val Leu Gly Lys Cys Cys Pro Glu
130 135 140

Trp Val Cys Gly Gln Gly Gly Gly Leu Gly Thr Gln Pro Leu Pro Ala
145 150 155

Gln Gly Pro Gln Phe Ser Gly Leu Val Ser Ser Leu Pro Pro Gly Val
160 165 170

Pro Cys Pro Glu Trp Ser Thr Ala Trp Gly Pro Cys Ser Thr Thr Cys
175 180 185

Gly Leu Gly Met Ala Thr Arg Val Ser Asn Gln Asn Arg Phe Cys Arg
190 195 200 205

Leu Glu Thr Gln Arg Arg Leu Cys Leu Ser Arg Pro Cys Pro Pro Ser
210 215 220

Arg Gly Arg Ser Pro Gln Asn Ser Ala Phe
225 230

<210> 3

<211> 349

<212> PRT

<213> Homo sapiens

<400> 3

Met Thr Ala Ala Ser Met Gly Pro Val Arg Val Ala Phe Val Val Leu
1 5 10 15

005111: 2412160

Leu Ala Leu Cys Ser Arg Pro Ala Val Gly Gln Asn Cys Ser Gly Pro
 20 25 30
 Cys Arg Cys Pro Asp Glu Pro Ala Pro Arg Cys Pro Ala Gly Val Ser
 35 40 45
 Leu Val Leu Asp Gly Cys Gly Cys Cys Arg Val Cys Ala Lys Gln Leu
 50 55 60
 Gly Glu Leu Cys Thr Glu Arg Asp Pro Cys Asp Pro His Lys Gly Leu
 65 70 75 80
 Phe Cys Asp Phe Gly Ser Pro Ala Asn Arg Lys Ile Gly Val Cys Thr
 85 90 95
 Ala Lys Asp Gly Ala Pro Cys Ile Phe Gly Gly Thr Val Tyr Arg Ser
 100 105 110
 Gly Glu Ser Phe Gln Ser Ser Cys Lys Tyr Gln Cys Thr Cys Leu Asp
 115 120 125
 Gly Ala Val Gly Cys Met Pro Leu Cys Ser Met Asp Val Arg Leu Pro
 130 135 140
 Ser Pro Asp Cys Pro Phe Pro Arg Arg Val Lys Leu Pro Gly Lys Cys
 145 150 155 160
 Cys Glu Glu Trp Val Cys Asp Glu Pro Lys Asp Gln Thr Val Val Gly
 165 170 175
 Pro Ala Leu Ala Ala Tyr Arg Leu Glu Asp Thr Phe Gly Pro Asp Pro
 180 185 190
 Thr Met Ile Arg Ala Asn Cys Leu Val Gln Thr Thr Glu Trp Ser Ala
 195 200 205
 Cys Ser Lys Thr Cys Gly Met Gly Ile Ser Thr Arg Val Thr Asn Asp
 210 215 220
 Asn Ala Ser Cys Arg Leu Glu Lys Gln Ser Arg Leu Cys Met Val Arg
 225 230 235 240
 Pro Cys Glu Ala Asp Leu Glu Glu Asn Ile Lys Lys Gly Lys Lys Cys
 245 250 255
 Ile Arg Thr Pro Lys Ile Ser Lys Pro Ile Lys Phe Glu Leu Ser Gly
 260 265 270
 Cys Thr Ser Met Lys Thr Tyr Arg Ala Lys Phe Cys Gly Val Cys Thr
 275 280 285
 Asp Gly Arg Cys Cys Thr Pro His Arg Thr Thr Thr Leu Pro Val Glu
 290 295 300
 Phe Lys Cys Pro Asp Gly Glu Val Met Lys Lys Asn Met Met Phe Ile
 305 310 315 320
 Lys Thr Cys Ala Cys His Tyr Asn Cys Pro Gly Asp Asn Asp Ile Phe
 325 330 335
 Glu Ser Leu Tyr Tyr Arg Lys Met Tyr Gly Asp Met Ala
 340 345

00544-24460

<213> DNA primer

36

<213> DNA primer

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39

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32

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40

<210> 9

<211> 43

<212> DNA

<213> DNA primer

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43

<210> 10

<211> 264

<212> DNA

<213> EST

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<221> Unsure

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<221> Unsure

<222> (128)..(128)

<223> May be any nucleotide.

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<221> Unsure

<222> (246)..(246)

009444 = 2442400

<223> May be any nucleotide.

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ctgcaggcaa cacttttagct tgggtccacc atgcagaaca ccaatattaa cacgctgcct 120
ggtctgtntg gatcccgagg tatggcagag gtgcaagacc tagtcctctt tcctctaact 180
cactgcctag gaggctggcc aagggtgtcca ggtcctcta gcccacttcc tgccctacaca 240
cacagnctat atcaaacatg caca 264

<210> 11

<211> 239

<212> DNA

<213> EST

<220>

<221> Unsure

<222> (5)..(5)

<223> May be any nucleotide.

<220>

<221> Unsure

<222> (10)..(10)

<223> May be any nucleotide.

<220>

<221> Unsure

<222> (85)..(85)

<223> May be any nucleotide.

005444-24424500

<220>

<221> Unsure

<222> (115)..(115)

<223> May be any nucleotide.

<220>

<221> Unsure

<222> (165)..(165)

<223> May be any nucleotide.

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<222> (201)..(201)

<223> May be any nucleotide.

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<222> (219)..(219)

<223> May be any nucleotide.

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<221> Unsure

<222> (224)..(224)

<223> May be any nucleotide.

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00911 2444 00

<221> Unsure

<222> (236)..(236)

<223> May be any nucleotide.

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agggtgcgtac ccagctgtgc ccganaccat gtacctgccc ctgggcacct ccccnatgcc 120
cgctgggagt acccctggtg ctggatggct gtggctgctg ccgngttat gtgcacggcg 180
gctgggggag cctgcacta nactccacgt ctgcaaggnc agcnaagggc ctggtntgc 239

<210> 12

<211> 313

<212> DNA

<213> EST

<220>

<221> Unsure

<222> (23)..(23)

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<220>

<221> Unsure

<222> (28)..(28)

<223> May be any nucleotide.

<220>

<221> Unsure

<222> (265)..(265)

<223> May be any nucleotide.

005444 : 24444400

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